

> d his

(FILE 'HOME' ENTERED AT 10:23:52 ON 04 APR 2002)

FILE 'CAPLUS' ENTERED AT 10:24:07 ON 04 APR 2002

L1 1 S US5527789/PN

SELECT L1 1 RN

L2 8608 S E1-E15

FILE 'REGISTRY' ENTERED AT 10:24:55 ON 04 APR 2002

L3 1 S 1065-31-2/RN

FILE 'REGISTRY' ENTERED AT 10:26:12 ON 04 APR 2002

L4 1 S 1173-76-8/RN

FILE 'REGISTRY' ENTERED AT 10:27:40 ON 04 APR 2002

L5 1 S 2394-68-5/RN

FILE 'REGISTRY' ENTERED AT 10:28:30 ON 04 APR 2002

L6 1 S 303-98-0/RN

FILE 'REGISTRY' ENTERED AT 10:29:20 ON 04 APR 2002

L7 1 S 727-81-1/RN

FILE 'CAPLUS' ENTERED AT 10:29:38 ON 04 APR 2002

L8 2638 S E3-E12

L9 30 S L8(L)CANCER

L10 19 S L9 NOT PY>=1995

L11 17 S L9 NOT PY>=1994

L12 0 S US4956335/PN

L13 1 S US4956355/PN

SELECT L13 1 RN

L14 7080 S E16-E18

L15 4596 S L14 NOT PY>=1994

FILE 'USPATFULL' ENTERED AT 10:37:23 ON 04 APR 2002

L16 546 S DEHYDROEPIANDROSTERONE

L17 0 S L16(L)THU/RL

L18 361 S L16(L)COMPOSITION

L19 64 S L18 NOT PY>=1994

=> s l19/clm

QUALIFICATION NOT VALID FOR NUMERIC DATA 'PY/CLM'

Numeric data cannot be field qualified.

=> s l18/clm

140 DEHYDROEPIANDROSTERONE/CLM

4 DEHYDROEPIANDROSTERONES/CLM

140 DEHYDROEPIANDROSTERONE/CLM

((DEHYDROEPIANDROSTERONE OR DEHYDROEPIANDROSTERONES)/CLM)

230792 COMPOSITION/CLM

13100 COMPOSITIONS/CLM

234131 COMPOSITION/CLM

((COMPOSITION OR COMPOSITIONS)/CLM)

L20 45 ((DEHYDROEPIANDROSTERONE/CLM) (L)COMPOSITION/CLM)

=> s l20 not py>=1994

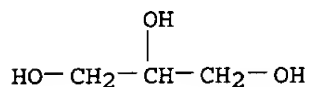
1294178 PY>=1994

L21 7 L20 NOT PY>=1994

=> s glycerin/cn
L1 1 GLYCERIN/CN

=> d rn str cn

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 56-81-5 REGISTRY



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,2,3-Propanetriol (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycerol (8CI)

CN Propanetriol (7CI)

OTHER NAMES:

CN 1,2,3-Trihydroxypropane

CN Bulbold

CN Cristal

CN E 422

CN Glyceol Opthalgan

CN **Glycerin**

CN Glycerine

CN Glyceritol

CN Glycyl alcohol

CN Glyrol

CN Glysanin

CN IFP

CN Incorporation factor

CN Mackstat H 66

CN NSC 9230

CN Osmoglyn

CN Pricerine 9091

CN RG-S

CN Trihydroxypropane

CN Tryhydroxypropane

=> s e1-e15

5550 53-43-0/BI
215 1065-31-2/BI E2
121 1173-76-8/BI E3
2 151434-12-7/BI
2 151434-13-8/BI
274 2394-68-5/BI E6
197 303-95-7/BI
624 303-97-9/BI
2076 303-98-0/BI E9
2 3881-61-6/BI
34 4370-61-0/BI
61 4370-62-1/BI
423 606-06-4/BI
239 727-81-1/BI
7 80724-82-9/BI

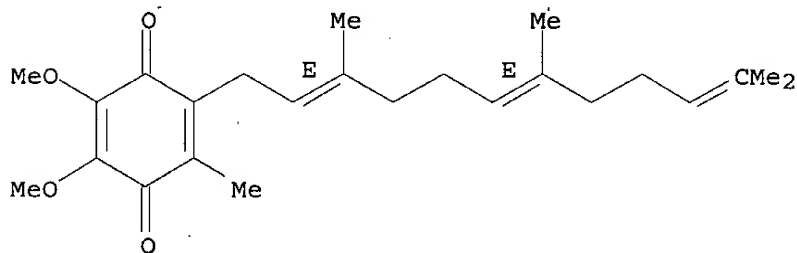
L2 8608 (53-43-0/BI OR 1065-31-2/BI OR 1173-76-8/BI OR 151434-12-7/BI
OR 151434-13-8/BI OR 2394-68-5/BI OR 303-95-7/BI OR

303-97-9/BI

OR 303-98-0/BI OR 3881-61-6/BI OR 4370-61-0/BI OR 4370-62-1/BI
OR 606-06-4/BI OR 727-81-1/BI OR 80724-82-9/BI)

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 1173-76-8 REGISTRY
 CN 2,5-Cyclohexadiene-1,4-dione, 2,3-dimethoxy-5-methyl-6-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrienyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2,5-Cyclohexadiene-1,4-dione, 2,3-dimethoxy-5-methyl-6-(3,7,11-trimethyl-2,6,10-dodecatrienyl)-, (E,E)-
 CN p-Benzoquinone, 2,3-dimethoxy-5-methyl-6-(3,7,11-trimethyl-2,6,10-dodecatrienyl)-, (E,E)- (8CI)
 OTHER NAMES:
 CN Coenzyme Q3
 CN CoQ3
 CN Ubiquinone 15
 CN Ubiquinone 3
 CN Ubiquinone Q3
 FS STEREOSEARCH
 DR 13425-43-9
 MF C24 H34 O4
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, MEDLINE, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

Double bond geometry as shown.

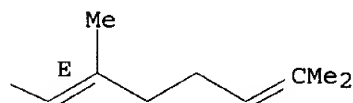
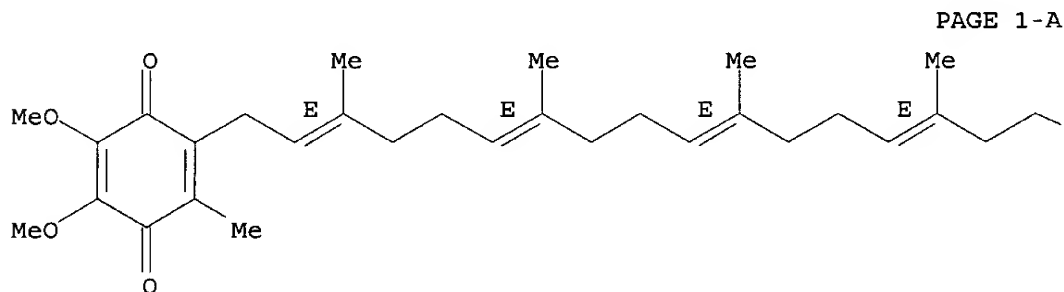


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

119 REFERENCES IN FILE CA (1967 TO DATE)
 121 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
 RN 1065-31-2 REGISTRY
 CN 2,5-Cyclohexadiene-1,4-dione, 2-[(2E,6E,10E,14E,18E)-3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl]-5,6-dimethoxy-3-methyl-(9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 2,5-Cyclohexadiene-1,4-dione, 2-(3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl)-5,6-dimethoxy-3-methyl-, (all-E)-
 CN p-Benzoquinone, 2-(3,7,11,15,19,23-hexamethyl-2,6,10,14,18,22-tetracosahexaenyl)-5,6-dimethoxy-3-methyl-, (all-E)- (8CI)
 OTHER NAMES:
 CN Coenzyme Q6
 CN Coenzyme Qq6
 CN CoQ6
 CN Ubiquinone 30
 CN Ubiquinone 6
 CN Ubiquinone Q6
 FS STEREOSEARCH
 DR 7444-53-3, 26548-74-3, 40036-14-4
 MF C39 H58 O4
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, MEDLINE, NIOSHTIC, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

210 REFERENCES IN FILE CA (1967 TO DATE)
 211 REFERENCES IN FILE CAPLUS (1967 TO DATE)
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 1 OF 64 USPATFULL

ACCESSION NUMBER: 93:107005 USPATFULL
 TITLE: Fragrance compositions and other compositions which contain human pheromones
 INVENTOR(S): Berliner, David L., Atherton, CA, United States
 PATENT ASSIGNEE(S): Erox Corporation, Menlo Park, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5272134 | | 19931221 |
| APPLICATION INFO.: | US 1992-907940 | | 19920624 (7) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1992-856435, filed on 24 Mar 1992 | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Reamer, James H. | | |
| LEGAL REPRESENTATIVE: | Morrison & Foerster | | |
| NUMBER OF CLAIMS: | 26 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 16 Drawing Figure(s); 16 Drawing Page(s) | | |
| LINE COUNT: | 1146 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 2 OF 64 USPATFULL

ACCESSION NUMBER: 93:91642 USPATFULL
 TITLE: Anticholinergic compounds, compositions and methods of treatment
 INVENTOR(S): Hammer, Richard H., Gainesville, FL, United States
 Bodor, Nicholas S., Gainesville, FL, United States
 PATENT ASSIGNEE(S): University of Florida, Gainesville, FL, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5258388 | | 19931102 |
| APPLICATION INFO.: | US 1992-931320 | | 19920818 (7) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 1990-558823, filed on 27 Jul 1990, now patented, Pat. No. US 5223528 Continuation of Ser. No. US 1988-245333, filed on 16 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1988-189709, filed on 3 May 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-130454, filed on 17 Nov 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-839941, filed on 17 Mar 1986, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Springer, David B. | | |
| LEGAL REPRESENTATIVE: | Burns, Doane, Swecker & Mathis | | |
| NUMBER OF CLAIMS: | 42 | | |
| EXEMPLARY CLAIM: | 1,42 | | |
| NUMBER OF DRAWINGS: | 1 Drawing Figure(s); 1 Drawing Page(s) | | |
| LINE COUNT: | 1778 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 3 OF 64 USPATFULL

ACCESSION NUMBER: 93:78553 USPATFULL

TITLE: Vaginal suppository
 INVENTOR(S): Sakaguchi, Minoru, Tondabayashi, Japan
 Awata, Norio, Yamatokoriyama, Japan
 Kawashima, Tsuneo, Osaka, Japan
 Nakagawa, Hiroshi, Nagaokakyo, Japan
 PATENT ASSIGNEE(S): Kanebo, Ltd., Tokyo, Japan (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5246704 | | 19930921 |
| APPLICATION INFO.: | US 1992-913102 | | 19920714 (7) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1990-468309, filed on 22 Jan 1990, now abandoned | | |

| | NUMBER | DATE |
|--|----------------------------------|----------|
| PRIORITY INFORMATION: | JP 1989-14528 | 19890123 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Page, Thurman K. | |
| ASSISTANT EXAMINER: | Hulina, Amy | |
| LEGAL REPRESENTATIVE: | Millen, White, Zelano & Branigan | |
| NUMBER OF CLAIMS: | 17 | |
| EXEMPLARY CLAIM: | 1 | |
| LINE COUNT: | 361 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L19 ANSWER 4 OF 64 USPATFULL

ACCESSION NUMBER: 93:71980 USPATFULL
 TITLE: Methods and compositions for the expression of biologically active eukaryotic cytochrome P450S in bacteria
 INVENTOR(S): Barnes, Henry J., Dallas, TX, United States
 PATENT ASSIGNEE(S): Board of Regents, The University of Texas, Austin, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|--|------|--------------|
| PATENT INFORMATION: | US 5240831 | | 19930831 |
| APPLICATION INFO.: | US 1991-640473 | | 19910110 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Wax, Robert A. | | |
| ASSISTANT EXAMINER: | Moore, William W. | | |
| LEGAL REPRESENTATIVE: | Arnold, White Durkee | | |
| NUMBER OF CLAIMS: | 49 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 8 Drawing Figure(s); 5 Drawing Page(s) | | |
| LINE COUNT: | 1565 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L19 ANSWER 5 OF 64 USPATFULL

ACCESSION NUMBER: 93:52606 USPATFULL
 TITLE: Anticholinergic compounds, composititons and methods of treatment
 INVENTOR(S): Hammer, Richard H., Gainesville, FL, United States
 Bodor, Nicholas S., Gainesville, FL, United States
 PATENT ASSIGNEE(S): University of Florida, Gainesville, FL, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|---|-------|--------------|
| | ----- | ----- | ----- |
| PATENT INFORMATION: | US 5223528 | | 19930629 |
| APPLICATION INFO.: | US 1990-558823 | | 19900727 (7) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1988-245333, filed on 16 Sep 1988, now abandoned which is a continuation-in-part of Ser. No. US 1988-189709, filed on 3 May 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-130454, filed on 17 Nov 1987, now abandoned which is a continuation-in-part of Ser. No. US 1986-839941, filed on 17 Mar 1986, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Springer, David B. | | |
| LEGAL REPRESENTATIVE: | Burns, Doane, Swecker & Mathis | | |
| NUMBER OF CLAIMS: | 45 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 1 Drawing Figure(s); 1 Drawing Page(s) | | |
| LINE COUNT: | 1792 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L19 ANSWER 6 OF 64 USPATFULL
 ACCESSION NUMBER: 93:33667 USPATFULL
 TITLE: Tricyclic steroid analogs
 INVENTOR(S): Covey, Douglas F., Ballwin, MO, United States
 Hu, Yuefei, St. Louis, MO, United States
 Zorumski, Charles F., St. Louis, MO, United States
 PATENT ASSIGNEE(S): Washington University, St. Louis, MO, United States
 (U.S. corporation)

| | NUMBER | KIND | DATE |
|--|--|-------|--------------|
| | ----- | ----- | ----- |
| PATENT INFORMATION: | US 5206415 | | 19930427 |
| APPLICATION INFO.: | US 1991-811208 | | 19911220 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Reamer, James H. | | |
| LEGAL REPRESENTATIVE: | Meyer, Scott J. | | |
| NUMBER OF CLAIMS: | 10 | | |
| EXEMPLARY CLAIM: | 1 | | |
| NUMBER OF DRAWINGS: | 1 Drawing Figure(s); 1 Drawing Page(s) | | |
| LINE COUNT: | 1143 | | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | | |

L19 ANSWER 7 OF 64 USPATFULL
 ACCESSION NUMBER: 93:33264 USPATFULL
 TITLE: Enhancement of immune response
 INVENTOR(S): Loria, Roger, Richmond, VA, United States
 PATENT ASSIGNEE(S): Virginia Commonwealth University, Richmond, VA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|-------|--------------|
| | ----- | ----- | ----- |
| PATENT INFORMATION: | US 5206008 | | 19930427 |
| APPLICATION INFO.: | US 1991-739809 | | 19910802 (7) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 1991-685078, filed on 15 Apr 1991 | | |
| DOCUMENT TYPE: | Utility | | |

FILE SEGMENT: Granted
PRIMARY EXAMINER: Page, Thurman K.
ASSISTANT EXAMINER: Bawa, Raj
LEGAL REPRESENTATIVE: Hendricks, Glenna
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 13 Drawing Figure(s); 7 Drawing Page(s)
LINE COUNT: 819
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 8 OF 64 USPATFULL

ACCESSION NUMBER: 92:106816 USPATFULL
TITLE: 5 .alpha.-pregnan-20-ones and 5-pregnen-20-ones and related compounds
INVENTOR(S): Schwartz, Arthur G., Philadelphia, PA, United States
Lewbart, Marvin L., Media, PA, United States
PATENT ASSIGNEE(S): Research Corporation Technologies, Inc., United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---------------------------------|------|--------------|
| PATENT INFORMATION: | US 5175154 | | 19921229 |
| APPLICATION INFO.: | US 1987-126310 | | 19871125 (7) |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Waddell, Frederick E. | | |
| ASSISTANT EXAMINER: | Henley, III, Raymond J. | | |
| LEGAL REPRESENTATIVE: | Scully, Scott, Murphy & Presser | | |
| NUMBER OF CLAIMS: | 98 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 1297 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 9 OF 64 USPATFULL

ACCESSION NUMBER: 92:86961 USPATFULL
TITLE: Method for prophylaxis of obesity
INVENTOR(S): Schwartz, Arthur G., Philadelphia, PA, United States
Lewbart, Marvin L., Media, PA, United States
PATENT ASSIGNEE(S): Research Corporation Technologies, Inc., Tuscon, AZ, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|---|------|--------------|
| PATENT INFORMATION: | US 5157031 | | 19921020 |
| APPLICATION INFO.: | US 1989-326355 | | 19890321 (7) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1986-867112, filed on 21 May 1986, now abandoned which is a | | |
| continuation-in-part | of Ser. No. US 1983-519550, filed on 2 Aug 1983, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Rizzo, Nicholas S. | | |
| LEGAL REPRESENTATIVE: | Scully, Scott, Murphy & Presser | | |
| NUMBER OF CLAIMS: | 19 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 1163 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L19 ANSWER 10 OF 64 USPATFULL

ACCESSION NUMBER: 92:86773 USPATFULL
 TITLE: Liquid suspension for oral administration
 INVENTOR(S): Mulligan, Seamus, Athlone, Ireland
 PATENT ASSIGNEE(S): Elan Corporation, PLC, Athlone, Ireland (non-U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 5156842 | | 19921020 |
| APPLICATION INFO.: | US 1991-769160 | | 19910927 (7) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1991-649225, filed on 28 Jan 1991, now abandoned which is a continuation of Ser. | | |
| abandoned | No. US 1988-208401, filed on 17 Jun 1988, now | | |

| | NUMBER | DATE |
|--|--|----------|
| PRIORITY INFORMATION: | IE 1987-1645 | 19870619 |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Rollins, John W. | |
| LEGAL REPRESENTATIVE: | Church, Marla J. | |
| NUMBER OF CLAIMS: | 10 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 5 Drawing Figure(s); 5 Drawing Page(s) | |
| LINE COUNT: | 613 | |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. | | |

L21 ANSWER 3 OF 7 USPATFULL

ACCESSION NUMBER: 89:19168 USPATFULL

TITLE: Method for the treatment of nervous system degeneration

INVENTOR(S): Roberts, Eugene, Monrovia, CA, United States

PATENT ASSIGNEE(S): City of Hope, Duarte, CA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|--|------|--------------|
| PATENT INFORMATION: | US 4812447 | | 19890314 |
| APPLICATION INFO.: | US 1986-940789 | | 19861211 (6) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 1985-790080, filed on 22 Oct 1985, now abandoned | | |
| DOCUMENT TYPE: | Utility | | |
| FILE SEGMENT: | Granted | | |
| PRIMARY EXAMINER: | Friedman, Stanley J. | | |
| LEGAL REPRESENTATIVE: | Irons, Edward S. | | |
| NUMBER OF CLAIMS: | 6 | | |
| EXEMPLARY CLAIM: | 1 | | |
| LINE COUNT: | 449 | | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

CLM What is claimed is:

1. A method for facilitating the growth of brain cells, comprising the step of administering **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate** to said brain cells.

2. A method for promoting the growth of nervous system tissue which comprises treating said tissue with an effective amount of **dehydroepiandrosterone sulfate**.

3. A method as claimed in claim 2, wherein said **dehydroepiandrosterone** comprises **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate**.

4. A pharmaceutical **composition** for treating nervous system degeneration in a mammal caused by aging or senile dementia of the Alzheimer's type, comprising an effective amount of **dehydroepiandrosterone** or **dehydroepiandrosterone sulfate** in combination with 4-aminopyridine, quinine, verapamil, piracetam or arecholine selected from the group consisting of 4-aminopyridine, quinine, verapamil, piracetam.